

Listing of the Claims

1-11 (cancelled).

12. (currently amended) An optical scanning apparatus comprising:

a scanner body;

a light bar assembly supported within the scanner body, the light bar assembly comprising a drive motor, a drive wheel and a light source, the light bar assembly configured to move the drive motor and the light source together; and

and wherein the scanner body defines an inside upper surface, and wherein the drive wheel contacts the inside upper surface of the scanner body.

13. (original) The optical scanning apparatus of claim 12, and further comprising a support surface within the scanner body, upon which the light bar assembly is supported, and wherein the light bar assembly further comprises support wheels which rest on the support surface.

14. (original) The optical scanning apparatus of claim 13, and wherein the light bar assembly further comprises biasing members which support the support wheels on the light bar assembly, and wherein the biasing members urge the support wheels against the support surface, and thereby urge the drive wheel against the drive surface.

15. (previously presented) The optical scanning apparatus of claim 12, and further comprising a position detecting system to allow the detection of the position of the light bar assembly with respect to the scanner body.

16. (original) An optical scanning apparatus comprising:

a scanner body;

a magnet-track portion of a linear electric motor fixedly supported within the scanner body;

a light bar assembly comprising a slider portion of a linear electric motor; and

wherein the light bar assembly is supported in the scanner body to place the magnet-track portion in proximity to the slider portion to thereby allow the light bar assembly to be driven along the magnet-track portion.

17. (original) The optical scanning apparatus of claim 16, and wherein the light bar assembly is suspended from the magnet-track portion.

18. (original) The optical scanning apparatus of claim 16, and wherein the light bar assembly rests on top of the magnet-track portion.

19. (original) The optical scanning apparatus of claim 16, and wherein the light bar assembly rests on a support surface defined within the scanner body such that the slider-portion and the magnetic-track portions are not in direct contact with one another.

20. (original) The optical scanning apparatus of claim 16, and further comprising a position detecting system to allow the detection of the position of the light bar assembly with respect to the scanner body.

21. (original) The optical scanning apparatus of claim 20, and wherein the position detecting system comprises:

a linear encoding strip supported within the scanner body and mounted parallel to the magnet-track portion; and

a sensor supported by the light bar assembly and configured to detect the linear encoding strip.

22. (original) The optical scanning apparatus of claim 16, and wherein:

the light bar assembly is defined by a first end and a second end;

the magnet-track portion is a first magnet-track portion, the slider portion is a first slider portion, and the slider portion is supported proximate the first end of the light bar assembly;

the optical scanning apparatus further comprising:

a second magnet-track portion supported within the scanner body; and

a second slider portion supported proximate the second end of the light bar assembly and in contact with the second magnet track portion.

23-32. (canceled).

33 (previously presented) An optical scanning apparatus comprising:
a scanner body;
a self-propelled light bar assembly supported within the scanner body,
the self-propelled light bar assembly comprising a drive wheel;
a platen supported by the scanner body;
a drive track defined on the platen; and
wherein the drive wheel is in contact with the drive track to allow the
drive wheel to drive the light bar assembly along the platen.

34. (previously presented) An optical scanning apparatus comprising:
a scanner body;
a self-propelled light bar assembly supported within the scanner body,
the self-propelled light bar assembly comprising a drive wheel;
a platen supported by the scanner body, the platen defining a first edge;
a drive track supported within the scanner body and positioned adjacent
to the first edge of the platen; and
wherein the drive wheel is in contact with the drive track to allow the
drive wheel to propel the light bar assembly with respect to the scanner body.

35. (previously presented) An optical scanning apparatus comprising:
a scanner body;
a self-propelled light bar assembly supported within the scanner body,
the self-propelled light bar assembly comprising a drive wheel;
a drive track supported within the scanner body, the , and wherein:

the drive wheel is in contact with the drive track to allow the drive wheel to propel the light bar assembly with respect to the scanner body; and

the drive wheel includes a rubberized outer portion, and the drive track has a non-smooth surface to allow the rubberized outer portion of the drive wheel to engage the drive track.

36. (canceled).